Lanthionine, N,N',O,O'-tetrakis(trimethylsilyl)-

Other names:	Lanthionine, tetra-TMS
	Lanthionine, N,N',O,O'-tetrakis-TMS
	Lanthionine, TMS
Inchi:	InChI=1S/C18H44N2O4SSi4/c1-26(2,3)19-15(17(21)23-28(7,8)9)13-25-14-16(20-27(4,5)
InchiKey:	KRWSOFPDSKBHRX-UHFFFAOYSA-N
Formula:	C18H44N2O4SSi4
SMILES:	C[Si](C)(C)NC(CSCC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	496.96
CAS:	73200-54-1

Physical Properties

Property code	Value	Unit	Source
log10ws	4.23		Crippen Method
logp	4.062		Crippen Method
rinpol	2133.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C73200541&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.